

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PH/8684INT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IB 2004/000811	International filing date (day/month/year) 14 February 2004	(Earliest) Priority Date (day/month/year)
Applicant Nokia Corporation et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/000811

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/32, G09G 5/00, G06F 15/167

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20030080996 A1 (DANIEL LAVIN ET AL), 1 May 2003 (01.05.2003), claims 1-27, abstract --	1,17-19,24, 26
X	US 20030065738 A1 (VICTOR SHIANG YANG ET AL), 3 April 2003 (03.04.2003), figures 1-12, claims 1-53, abstract --	1,17-19,24, 26
Y	WO 02013413 A1 (STATSIGNAL SYSTEMS, INC.), 14 February 2002 (14.02.2002), claims 1-19, abstract --	1-30

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 Sept 2004

Date of mailing of the international search report

21-09-2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Behroz Moradi/MN  
Telephone No. +46 8 782 25 00

EST AVAILABLE

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2004/000811

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6088795 A (MARTIN VORBACH ET AL), 11 July 2000 (11.07.2000), column 1, line 65 - column 2, line 45, claims 1-49 --	1-30
Y	US 20030172139 A1 (VENKATACHARY SRINIVASAN ET AL), 11 Sept 2003 (11.09.2003), claims 1-49, part 13-24 -- -----	1-30

INTERNATIONAL SEARCH REPORT  
Information on patent family members

31/07/2004

International application No.  
PCT/IB 2004/000811

US	20030080996	A1	01/05/2003	AU	5348201	A	30/10/2001
				AU	5537001	A	30/10/2001
				AU	5537101	A	30/10/2001
				AU	5537701	A	30/10/2001
				AU	9335801	A	30/10/2001
				EP	1360574	A	12/11/2003
				EP	1410249	A	21/04/2004
				EP	1410250	A	21/04/2004
				GB	0009004	D	00/00/0000
				US	20030083114	A	01/05/2003
				US	20030084098	A	01/05/2003
				US	20030095525	A	22/05/2003
				WO	0179965	A	25/10/2001
				WO	0179979	A	25/10/2001
				WO	0180089	A	25/10/2001
				WO	0180090	A	25/10/2001
				WO	0180091	A	25/10/2001

US 20030065738 A1 03/04/2003 NONE

WO 02013413 A1 14/02/2002 NONE

US	6088795	A	11/07/2000	DE	19654846	A	09/07/1998
				EP	0948842	A,B	13/10/1999
				US	6477643	B	05/11/2002
				US	20030093662	A	15/05/2003
				WO	9829952	A	09/07/1998
				AT	243390	T	15/07/2003
				DE	59710317	D	00/00/0000
				EP	1329816	A	23/07/2003
				JP	2001510650	T	31/07/2001

US	20030172139	A1	11/09/2003	US	20040039801	A	26/02/2004
				US	20030172138	A	11/09/2003
				US	20030172175	A	11/09/2003
				WO	03079145	A	25/09/2003